

PLATONOV, I.B.

Analyzing the conditions of the oxygen feeding of wine in bulk
madeirization. Trudy KIPP no. 22:250-256 '61. (MIRA 16:4)
(Madeira wine) (Oxygen)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PIATONOV, I.B.

System of bulk madeirization of wine under industrial conditions.
Trudy KIPP no. 22:257-265 '61. (MIRA 16:4)
(Madeira wine) (Oxygen)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PLATONOV, I.B.

Role of oak staves in the madeirizations of wine with the bulk
method. Trudy KIPP no. 22:241-249 '61. (MIRA 16:4)
(Madeira wine) (Oak)

LOZA, V.M.; PLATONOV, I.B.

Effect of the ascorbic acid on the quality and stability of
table wines, Izv. vys. ucheb. zav.; pishch. tekhn. no.4:65-68
'63.
(MIRA 16:11)

1. Krasnodarskiy institut pishchevoy promyshlennosti,
kafedra tekhnologii vinodeliya.

1. PLATONOV, I., ENR.
2. USSR (60')
4. Coal - Handling Machinery
7. Mechanization of the process of hauling coal to the surface. Mast. vol. 1, no. 9, 192.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

PLATONOV, I.

"Sixth Sense. Tr. from the Russian." P. 20. (AVIATIA SPORTIVA, Vol. 5,
No. 1, Jan. 1954, Bucuresti, Rumania.)

SO; Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

USSR/Pharmacology. Toxicology. Chemotherapeutic
Preparations. Anti-Tuberculous Remedies.

V

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102912

is shown that in the mechanism of the therapeutic effect of I the ability to penetrate into various organs and to accumulate in them has great significance. The discovered decrease of accumulation of I in the organs at the end of lengthy treatment and the decrease, along with this, of the therapeutic effect of I is explained, perhaps, by an increase of the ability of tissues of the organism to acetylate I. The varying tolerance of patients to I and its analogues is apparently conditioned also by the varying individual ability to acetylate I. In the organs of healthy animals, a certain amount of phthiazide-like substances was discovered. Therapy with I is recommended for a lengthy time. In the process of treatment, systematic determination of the nicotinic acid, bromide, cholinesterase and

Card 3/4

USSR/Pharmacology, Toxicology, Chemotherapy
Preparations. Anti-Tuberculous Remedies.

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 102912

Author : Platonov, G. Ye.

Inst : Institute of Tuberculosis, Academy of Medical Sciences USSR

Title : On the Investigation of the Mechanism of the Therapeutic Effect of Phthivazide.

Orig Pub: Tr. In-ta tuberkuleza akad. med. nauk SSSR, 1956,
8, 67-78

Abstract: 26 guinea pigs, infected subcutaneously with a suspension of mycobacteria tuberculosis, were divided into two groups, of which one was subjected to treatment with phthivazide (I) at a dose of 10 mg daily each internally. The treatment was started 40-50 days after infection in

Card 1/4

influence on the nervous system, which is manifested in the normalization of oxidizing processes of the brain and the processes of metabolism (decrease of the content of acetylcholine-like substances and increase of cholinesterase). It

Card 2/4

USSR/General Problems of Pathology - Allergy.

U

Abs Jour : Ref Zhur Biol., No 1, 1959, 4070

Author : Platonov, G.Ye.

Inst :

Title : The Role of the Nervous System in Sensitization

Orig Pub : Zh. mikrobiol., epidemiol. i imunobiol., 1958, No 1,
133-136

Abstract : Guinea pigs were injected subcutaneously with NaF, a solution of novocain, tincture of opium, a mixture of chloral hydrate with medicinal and other narcotic drugs prior to the administration of a sensitizing dose (SD) of horse serum (0.1 ml in a dilution of 1:10). A reacting dose of antigen failed to produce shock when the experimental drugs (ED) and the SD were injected in one and the same segment. Development of sensitization was not prevented with injection of ED subcutaneously, or with injection of SD in any other segment of the body.

Card 1/1

PLATONOV, G.Ye., prof.; PROKOPENKO, N.Ye., kand.biologicheskikh nauk;
BLOKH, E.L., kand.biologicheskikh nauk

Changes in physiological processes following BCG vaccination
and infection with tuberculosis in experiments on animals.
Trudy Inst. tub. AMN 7:70-84 '58. (MIRA 13:10)
(BCG VACCINATION) (METABOLISM)

PLATONOV, G.Ye., prof.; PROKOPENKO, N.Ye., starshiy nauchnyy sotrudnik
Change in the polysaccharide and protein fractions of the blood
in single dose and multiple dose BCG vaccination. Probl.tub. 39
no.2:78-86 '61. (MIRA 14:3)
1. Iz Instituta tuberkuleza AMN SSSR (dir. Z.A. Lebedeva).
(POLYSACCHARIDES) (BLOOD PROTEINS) (BCG VACCINATION)

PLATONOV, G.Ye., prof.

Permeability problem in the drug treatment of tuberculosis.
(MIRK 15:5)
Probl.tub. no.8:72-78 '61.

1. Iz instituta tuberkuleza AMN SSSR (dir. - chlen-korrespondent
AMN SSSR prof. N.A. Shmelev).
(TUBERCULOSIS) (LYMPHATICS)

PLATONOV, G.Ye., prof.

The problem of specific reactivity of the nervous system in tuberculosis [with summary in French]. Probl.tub. 36 no.3:10-16 '58
(MIRA 11:5)

1. Iz Instituta tuberkuleza AMN SSSR (dir. - Z.A. Lebedeva)
(TUBERCULOSIS, physiol.
specific reactivity of NS (Rus))
(NERVOUS SYSTEM, physiol.
specific reactivity in tuberc. (Rus))

PLATONOV, G.Ye.

Role of the nervous system in sensitization. Zhur.mikrobiol.epid.
i immun. no.1:133-136 Ja '58.
(MIRA 11:4)

1. Iz Institute tuberkuleza AMN SSSR
(NERVOUS SYSTEM, physiology,
eff. of exper. sensitization (Rus)
(ALLERGY, experimental,
eff. on NS (Rus)

PLATONOV, G.Ye., professor; IVANOVA, L.Ye.

Modifications in the lymph nodes in tuberculosis. Probl.tub. no.2:
52-60 Mr-Ap '55. (MIRA 8:6)

1. Iz patofiziologicheskoy laboratorii (zav. -prof. G.Ye.Platonov)
i patomorfologicheskoy laboratorii (zav. -prof. V.I.Pusik) Instituta
tuberkuлеза Akademii meditsinskikh nauk SSSR (dir. Z.A.Lebedeva).
(LYMPH NODES, in various diseases,
exper. tuberc., pulm.)
(TUBERCULOSIS, PULMONARY, experimental,
lymph nodes in)

PLATONOV, G.Ye.

PLATONOV, G.Ye., professor; PROKOPENKO, N.Ye.; BLOKH, E.L.

Physiological principles of surgery of the nervous system in tuberculosis. Probl. tub. no.3:58-65 My-Je '54. (MLRA 7:11)

1. Iz Instituta tuberkuleza Akademii meditsinskikh nauk SSSR
(dir. Z.A.Lebedeva)
(TUBERCULOSIS, PULMONARY, experimental,
eff. of vagotomy)
(NERVES, VAGUS, surgery,
eff. on exper. pulm. tuberc.)

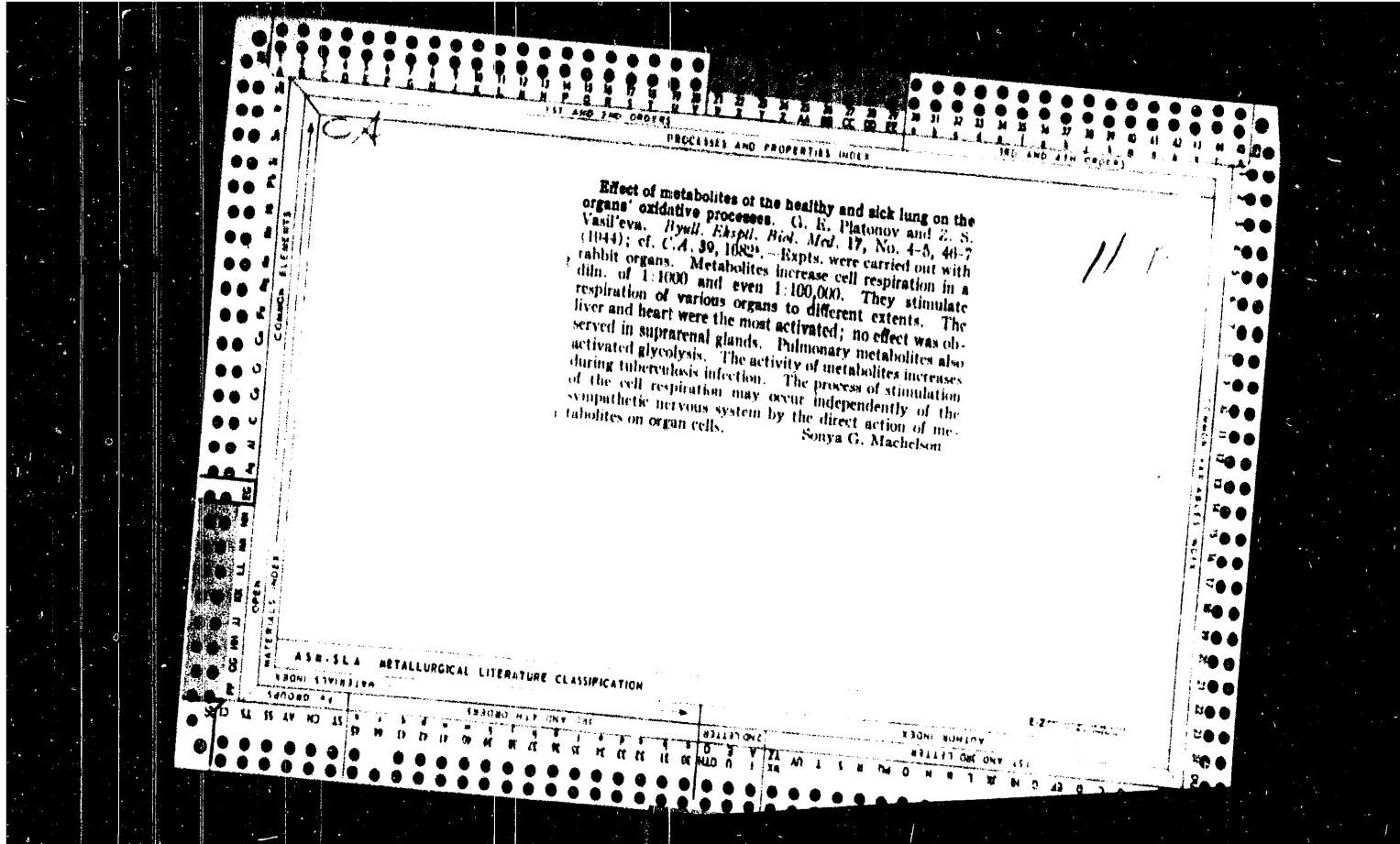
APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

Influences of lung metabolites on circulation of the blood
G. E. Platovoy. *Vvull. Ekspd. Biol. Med.*, 21, No. 5, 42-47 (1936). Previous investigations on the effect of lung metabolites on carbohydrate metabolism were continued and it was found that metabolites of the lung are very active in different respects. A study of the properties of extracts, with alcohol, acetone, and H_2O showed that their composition is heterogeneous, containing substances acting in opposite directions. Their chem. action differs in different organs and changes in dependence on the cellular fermentation processes. Blood pressure is lowered by their action. In tuberculous animals the lung metabolites seem to be much less active. The exact nature of these metabolites is not yet known and, therefore, cellular physiology of the lungs and their metabolites should be studied further in pathol. processes.

W. R. Eichler

ASH-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6



PIATOV, G. V., doktor filosof.nauk, prof.

Such an alliance is indispensable. Nauka i zhizn' 28
no. 6-20-25 Je '61. (MIA MA 7)
(Science-Philosophy)

PLATONOV, Georgiy Vasil'yevich; VIKTOROVA, V., red.; RYZHOVA, M.,
mladshiy red.; ULANOVA, L., tekhn.red.

[Dialectical materialism and some problems of genetics] Dialekti-
cheskii materializm i voprosy genetiki. Moskva, Izd-vo sotsial'no-
ekon.lit-ry, 1961. 161 p. (MIRA 15:4)
(DIALECTICAL MATERIALISM)
(GENETICS)

PLATONOV, G.V.

Interrelationship between darwinism and marxism. Trudy Inst.gen.
no.25:8-27 '59. (MIRA 15:8)

1. Institut filosofii AN SSSR.
(Evolution) (Biology—Philosophy)

PLATANOV, G.V.

PLATANOV, G.V.

Some problems of natural science philosophy in the light
of the I.V. Stalin work: Economic Problems of Socialism in
the U.S.S.R. Analele biol 7 no.3:5-18 JI-S '53.

VEDENOV, Mikhail Fedorovich; PLATONOV, G.V., doktor fil. nauk,
otv. red.; KONDAKOV, N.I., red.izd-va; SIMKINA, G.S.,
tekhn. red.

[Ernst Haeckel's struggle for materialism in biology] Bor'-
ba E.Gekkelia za materializm v biologii. Moskva, Izd-vo AN
SSSR, 1963. 222 p. (MIRA 16:10)
(Haeckel, Ernst, 1834-1919)
(Biology--Philosophy)

PLATONOV, G.V.

Dialectics of the necessity and chance and the problem of planned
heredity of organisms. Biol. v shkole no.3:73-79 My-Je '63.
(MIRA 16:10)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

OPARIN, A.I., akademik; STUDITSKIY, A.N., prof.; NAUMOV, N.P., prof.; KOVAL'SKIY, V.V.; YUROVA, I.L., dots.; PLATONOV, G.V., prof.; KAGANOV, V.M.; FURMAN, A.Ye., dots.; MEDVEDEV, N.V., prof.; YAKIMOV, V.P., kand. biol. nauk; ZHUKOV-VEREZHNIKOV, N.N.; BONDARENKO, P.P., prof.; MAYSKIY, I.M., prof.; TRIBULEV, G.P., dots.; TSAREGORODTSEV, G.I., dots.; DOBROKHVALOV, V.P., kand. biol. nauk; YAZDOVSKIY, V.I., prof.; VIKTOROVA, V., red.; CHEREMNYKH, I., mlad. red.; ULANOVA, L., tekhn.red.

[Studies on the dialectic of living nature] Ocherk dialektiki zhivoi prirody. Moskva, Sotsksgiz, 1963. 527 p.
(MIRA 16:12)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Koval'skiy).
2. Deystvitel'nyy chlen AMN SSSR (for Zhukov-Verezhnikov).
(Biology--Philosophy)

PETRUSHEVSKIY, S.A., otv. red.; KOLBANOVSKIY, V.N., red.; PLATONOV
G.V., red.; SHAKHPARONOV, M.I., red.; SHIROKOV, M.F., red.;
VIGDOROVICH, M.I., red.

[Dialectical materialism and present-day natural science;
materials of the All-Russian Seminar of Lecturers in Social
Sciences on philosophy problems of present-day natural sci-
ence] Dialekticheskii materializm i sovremennoe estestvozna-
nie; sbornik materialov Vserossiiskogo seminara prepodavate-
lei obshchestvennykh nauk po filosofskim voprosam sovremen-
nogo estestvoznaniia. Moskva, Izd-vo Mosk. univ., 1964. 403 p.
(MIRA 17:7)

1. Moscow. Institut povysheniya kvalifikatsii prepodavateley
obshchestvennykh nauk. Kafedra dialekticheskogo i istoriche-
skogo materializma.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PLATONOV, G.V., a filozofiai tudomanyok doktora, egyetemi tanar

Social functions of science under the conditions of socialism
and communism. Magy tud 71 no.1:1-13 Ja '64.

1. Lomonosov State University, Moscow.

KAGANOV, V.M.; FURMAN, A.Ye.; IGNATOV, A.I.; PLYUSHCH, L.N.; SHOROKHOVA,
Ye.V.; YUROVAYA, I.L.; PLATONOV, G.V., red.; SUKHOV, A.D.,
red.izd-va; RYLIHA, Yu.V., tekhn.red.; LAUT, V.G., tekhn.red.

[The problem of causality in modern biology] Problema prichin-
nosti v sovremennoi biologii. Moskva, 1961. 191 p.
(MIRA 14:2)

1. Akademiya nauk SSSR. Institut filosofii.
(CAUSATION) (BIOLOGY+PHILOSOPHY)

KOSHELEVSKIY, D.I., red.; KURAZHKOVSKAYA, Ye.A., red.; PLATONOV, G.V.,
red.; SOLOV'IEV, A.I., red.; KHAIN, V.Ye., red.; KAPLIN, P.A.,
red.; CHISTYAKOVA, K.S., tekhn.red.

[Philosophical problems of natural science] Filosofskie voprosy
estestvoznanija. Moskva, Izd-vo Mosk.univ. Vol.3. [Geological
and geographical sciences] Geologo-geograficheskie nauki. 1960.
468 p. (MIRA 13:10)

(Geology) (Geography)

GLUSHCHENKO, I.Ye., otv.red.; GUZHEV, Yu.L., red.; KAGANOV, V.M.,
red.; KUSHNER, Kh.F., red.; NUZHIN, N.I., red.; PLATONOV, G.V.,
red.; FEYGINSON, M.I., red.izd-va; BRUZHUL', V.V., tekhn.red.

[Darwinism lives and develops; transactions of the jubilee
conference dedicated to the 100th anniversary of the publication
of C.Darwin's "Origin of species" and the 150th anniversary of the
publication of J.Lamarck's "Philosophy of zoology," Nov.19-21,
1959] Darwinizm zhivet i razvivaetsia; trudy iubileinoi konferentsii,
posviashchennoi 100-letiu opublikovannia "Filosofii zoologii"
Zh.Lamarka, 19-21 noiabria 1959 g. Moskva, 1960. 217 p.
(MIRA 14:2)

1. Akademiya nauk SSSR. Institut genetiki.
(Evolution--Congresses)

PREZENT, Isaak Izraylevich, akademik; PLATONOV, G.V., prof., otv.red.;
FEDENEVA, T.V., red.izd-va; GUSEVA, A.P., tekhn.red.

[J.B.Lamarck as a biologist-materialist] Biolog-materialist
Zh.B.Lamark. Moskva, Izd-vo Akad.nauk SSSR, 1960. 58 p.
(MIRA 13:10)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina (for Prezent).
(Lamarck, Jean Baptiste, 1744-1829)

PLATONOV, G.V.[Platonov, H.P.], prof. (Moskva)

Atheistic role of the theory of Darwin. Nauka i zhystia ?
no.11:39-42 N '59. (MIRA 13:3)
(Evolution) (Atheism)

PLATONOV, G.V., prof., doktor filos.nauk

Darwin and Timiriazev. Biol. v shkole no.1:85-90 Ja-F '59.
(MIRA 12:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Darwin, Charles Robert, 1809-1882)
(Timiriazev, Kliment Arkad'evich, 1843-1920)

FADDEYEV, Ye.T.; PLATONOV, G.V., doktor filosof.nauk, nauchnyy red.;
SPIRIDONOVA, O.I., red.

[Science and religion; album] Nauka i religiia; al'bom -
vystavka. Red.G.V.Platonov. Leningrad, Sovetskaia Rossiia,
1959. 41 l. [Instructions for the use of the album
"Science and religion."] — Metodicheskie ukazaniia k al'bomu
"Nauka i religiia." 7 p. (MIRA 12:10)
(Science and religion)

DVORVANKIN, F.A.; KAGANOV, V.M.; PLATONOV, G.V.; FEYGINSON, N.I.; MURMAN, A.Ye.; FILIPPOV, L.A., red.; YERMAKOV, M.S., tekhn. red.

[Philosophical problems in natural history] Filosofskie voprosy estestvoznanija. [Moskva] Izd-vo Mosk. univ. Vol.1. [Philosophical and theoretical problems in Michurin's theories] Filosofsko-teoreticheskie voprosy michurinskogo uchenija. 1958. 421 p.
(Michurin, Ivan Vladimirovich, 1855-1935) (MIRA 11:10)
(Biology--Philosophy)

SUBJECT: PLATONOV, G.W.
USSR/Darwinism in the USSR

25-4-25/34

AUTHOR: Platonov, G.W., Doctor of Philosophic Sciences, Professor

TITLE: New Stage in the Development of Darwinism (Novyy Etap v
Razvitiu Darwinizma)

PERIODICAL: Nauka i Zhizn, April 1957, # 4, pp 53-56 (USSR)

ABSTRACT: The author points out that scientists in western countries have been trying either to misinterpret Darwin's teachings with idealistic interpretations or to tell the world that his materialism is just supplementing religion. More understanding is shown by Soviet scientists, especially by I.V. Michurin, whose works are considered as a continuation of Darwin's teachings, or, even as a higher stage in the development of Darwinism. Michurin confirms and develops the doctrine that man is able to accomplish quicker changes in the shapes of animals and plants by compelling nature to act as to suit his purposes.
The article contains two photos.

Card 1/2

PLATONOV, G.V., professor.

Charles Darwin's natural scientific materialism. Biol.v shkole no.2:
72-77 Mr-Ap '57. (MLRA 10:5)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.
(Darwin, Charles Robert, 1809-1882)

USSR//General Division, General Questions, Philosophy,
Methodology

A-1

Abs Jour: Ref Zhur-Biologija, No 5, 1958, 18801

Author : Platonov G. V.

Inst :

Title : Concerning the Source and Character of the Development
of Live Nature

Orig Pub: Nekotorye filos. vopr. estestvozn. M., AN SSSR, 1957,
223-272

Abstract: The author considers the contradiction between the old heredity of the organism and the new conditions of life which have been assimilated, to be a source of development. Development moves in the direction of adaptation. The authors distinguishes the demands towards the conditions of the environment and adaptation; steadfastness towards unfavorable factors is

C Card 1/2

KAGANOV, V.M., redaktor; KUZNETSOV, I.V., redaktor; PIATONOV, G.V., redaktor; FATALIYEV, KH.M., redaktor; SMOLYAN, G.L., redaktor izdatel'stva; NOVIKOVA, S.G., tekhnicheskiy redaktor

[Some philosophical problems in natural science] Nekotorye filosofskie voprosy estestvoznania. Moskva, 1957. 415 p. (MIRA 10:4)

1. Akademiya nauk SSSR. Institut filosofii.
(Physics--Philosophy) (Biology--Philosophy)

PIATONOV, G.V.

The principle of determinism in Michurin's teaching. Izv.AN SSR.
Ser.biol. no.3:15-30 My-Je '56.
(MLRA 9:8)

1. Kafedra dialekticheskogo i istoricheskogo materializma este-
stvennykh fakul'tetov Moskovskogo ordena Lenina i ordena Trudo-
vogo Krasnogo znameni Gosudarstvennogo universiteta imeni M.V.
Lomonosova.

(DETERMINISM) (BIOLOGY--PHILOSOPHY)

Platonov, G. V.

PLATONOV, G. V., doktor filosofskikh nauk.

Blow to religious dogmas. Nauka i zhizn' 23 no.6:37-40
Je '56.

(MLRA 9:9)

(Evolution)

PLATONOV, G.V., doktor filosofskikh nauk, laureat Stalinskoy premii.

Timiriazev's struggle against the idealism in religion.
Nauka i zhizn' 22 no.12:40-44 D '55. (MLRA 9:2)
(Timiriazev, Klement Arkad'evich, 1843-1920)

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PIATONOV, G. V.

N/5
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.T5171

Klement Arkhad'evich Tich'mazev. Moskva, Sel'skhozgiz, 1955.
206, 2 P. illus.

"Bibliografiya": P. 198-207

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PLATONOV, G.V.

Great biologist and materialist. Vest.Mosk.un. no.9:7-16 S '55.
(Michurin, Ivan Vladimirovich 1855-1935) (MLRA 9:1)

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PLATONOV, G.V.

V.I.Lenin and the development of the science of biology,
Zhir.ob.biol. 15 no.1:3-17 Ja-F '54. (MLRA 7:2)
(Biology) (Lenin, Vladimir Il'ich, 1870-1924)

PLATONOV, u. V.

4370. PLATONOV, u. V. --Dor'ba K. A. timiryazeva protiv idealizma i religii.
steno ramma publichnoy lektsii.. Minsk, Gosizdat SSSR, reu. nauch.-tekhn.
lit, 1954. 475. 20 sm. (vsego 10-vo po rasprostraneniju polit. i
nauch. znanij). 20.00 rub. 45 k. -- Na belorus. yaz. (54-57090)
58(47)(092timiryazev) & 1(timiryazev)

SO: Knizhnaya Letopsis', Vol. 1, 1955

DOBROKHVALOV, V.P.; PARSADANOVA, K.G., redaktor: PIATONOV, G.V., redaktor;
GRIBOVA, M.P., tekhnicheskiy redaktor.

[Philosophic and natural science premises in I.V.Michurin's theories]
Filosofskie i estestvenno-nauchnye predposylki ucheniya I.V.Michurina.
Pod red. G.V. Platonova. Moskva, Gos.izd-vo "Sovetskaia nauka," 1954.
259 p. (MLRA 8:4)
(Michurin, Ivan Vladimirovich, 1855-1935) (Biology)

PLATONOV, G.V., kandidat fioloskikh nauk, laureat Stalinskoy premii.

Kliment Arkad'evich Timiriazev. Nauka i zhizn' 20 no.6:36-37 Je '53.
(MLRA 6:5)
(Timiriazev, Kliment Arkad'evich, 1843-1920)

PLATONOV, G.V., laureat Stalinskoy premii, kandidat filosofskikh nauk.

[Philosophy of biology questions in the classics of Marxism-Leninism]
Filosofskie voprosy biologii v trudakh klassikov Marksizma-Leninizma,
Moskva, Izd-vo "Znanie." 1953. 47 p.
(MLRa 6:?)
(Biology--Philosophy)

PLATONOV, S.V.

Adaption (biology)

K.A. Timiryazev on the unity of the organism and environment. "K. A. Timiryazev"
Priroda #1, no. 6, Je-1932.

9. Monthly List of Russian Accessions, Library of Congress, 1953: Unclassified.

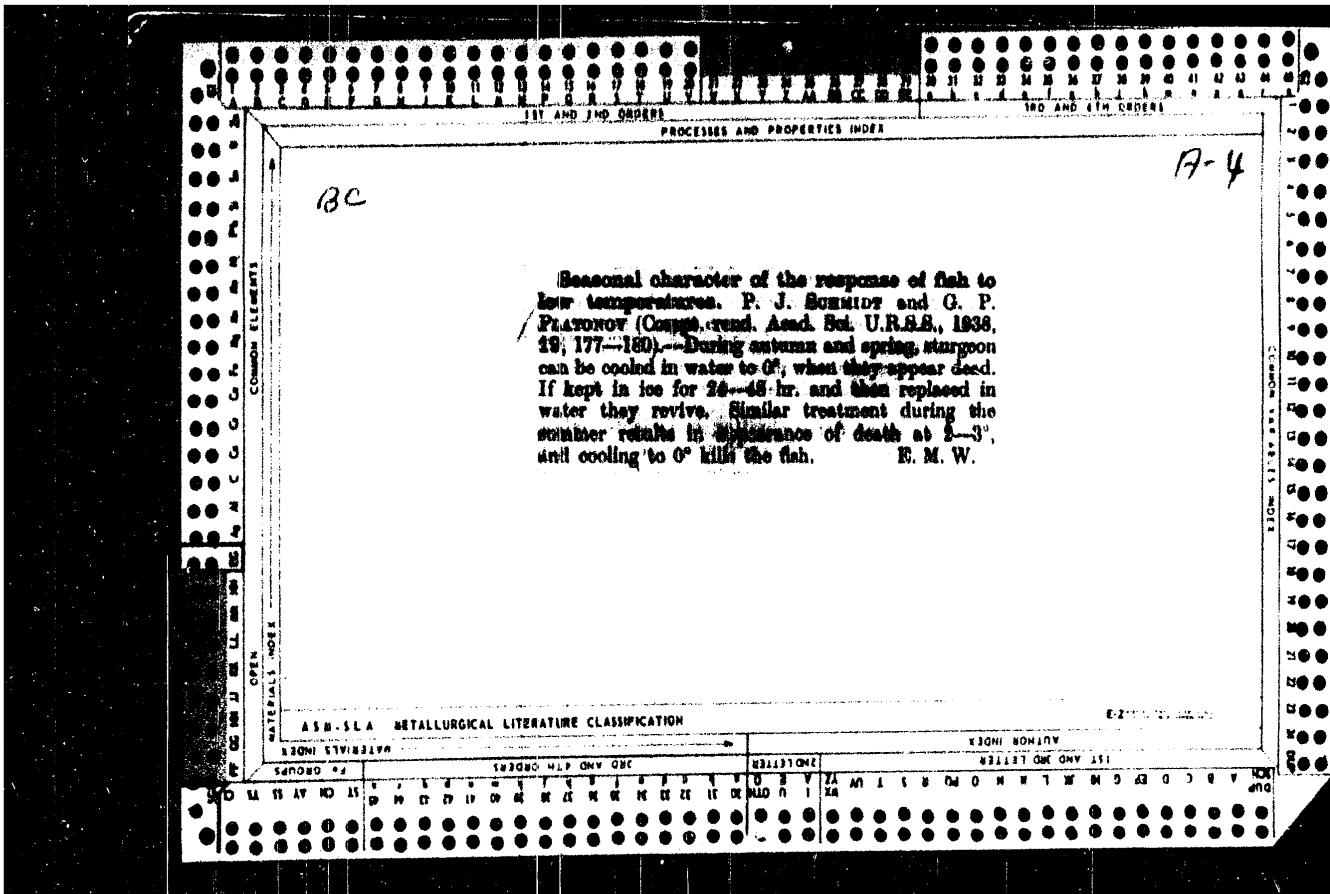
PLATONOV, S.V., Author

Timiryazev, Kliment Arkadyevich

Pride of Russian science ("Philosophy of K.A. Timiryazev." Reviewed by A. Veltman).
Novyi mir 29, no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, Searched 11/12
1953. Unclassified.

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PLATONOV, G. P.

Tekhnologija drevesnykh materialov Moskva 1947. 351 p. illus.

Bibliography: p. 351.

Technology of wood materials.

DLC: TA119.P75

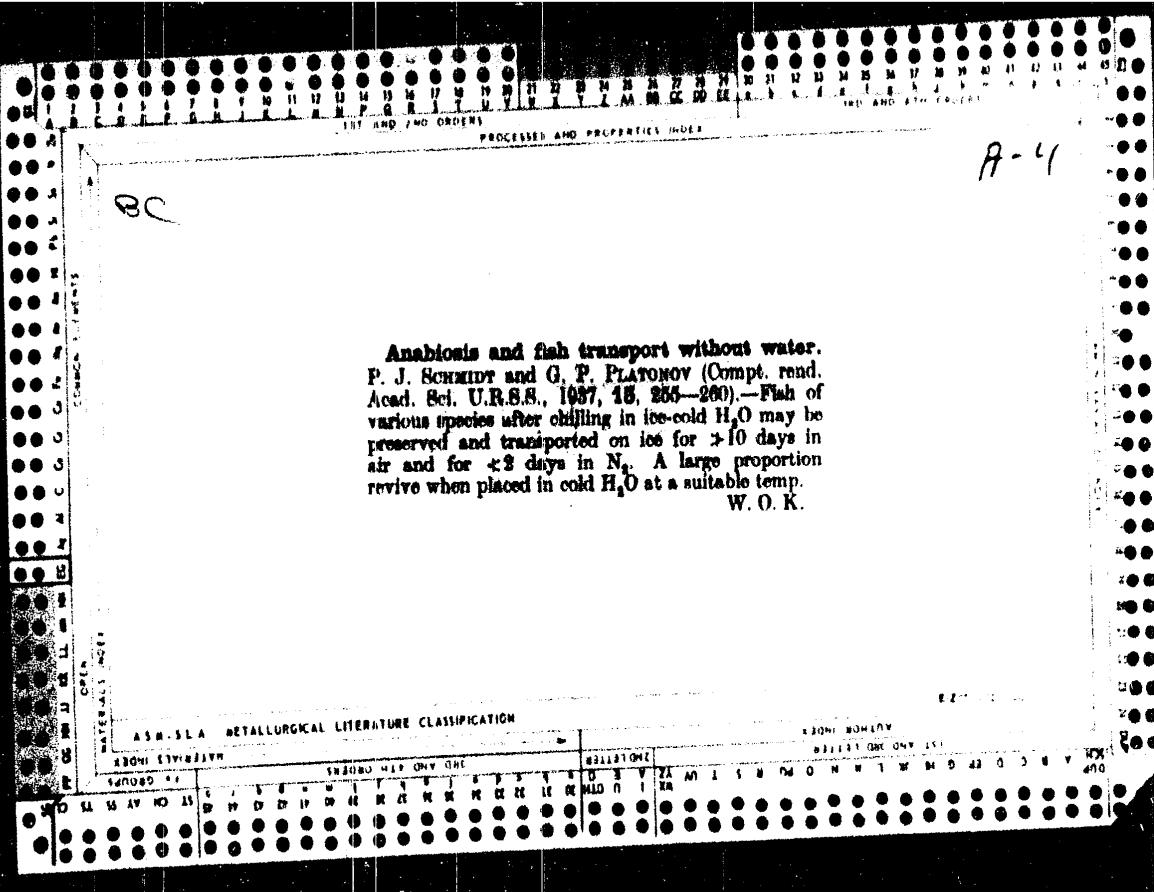
SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

LYAKISHEV, V.T.; PLATONOV, G.P.; SUNITSYN, A.A.

Spectral determination of silicon in blast furnace cast iron. Zav.lab.
29 no.12:1452 '63. (MIRA 17:1)

1. Chelyabinskij metallurgicheskiy zavod.

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PLATONOV, G. P.

Tekhnologija drevesnykh materialov. Moskva, 1947, 351 p., illus.

At head of title: Krasnoznamenskaia ordena Lenina voenno-vozdushnaja inzhenernaja akademija im. N. E. Zhukovskogo.

Bibliography: p. 351.

Title tr.: Technology of wooden materials.

THAI9.P75

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

GOVCHENKO, V. V.; GOVCHENKO, N. I.; IVANCHENKO, P. K., kand. tekhn. nauk;
ZAITSEV, G. M.

Studying the oscillations of a vibrating grizzly for sinter.
Met. i gornorud. prom. no. 6562-63 N.D. '65.

(MFA 13.12)

PLATONOV, G.M.; PIYAVCHENKO, N.I., doktor biol. nauk, oty. red.

[Swamps in the forest-steppe area of central Siberia]
Bolota lesostepi Srednei Sibir. Moskva, Nauka, 1964.
114 p. (MIRA 17:12)

GRIGOR'YEV, Ye.V.; PLATONOV, G.M.; GOLUBENKO, N.I.; LOVCHINOVSKIY, N.N.

Improvement of the drive of a vibrating, self-balancing, and
self-centering grizzly. Metallurg 10 no.5:14 My '65.

1. Metallurgicheskiy zavod imeni Dzerzhinskogo i zavod vytwarz.
imeni Arsentcheva. (MIRA 12:6)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PLATONOV, GRIGORIY IVANOVICH

EPP
R03525

ZAVOD VYSOKOY TEKUNIKI (E. DVADTSATI PYATILETIYU L-GO GOUDARSTVENNOGO ROLISH-
I PILOKOVOGO ZAVODA (AN EXCELLENT TECHNICAL PLANT (i.e. TWENTY-FIVE YEARS OF THE
FIRST STATE BEARING PLANT) BY) G. PLATONOV (1) K. YUDIN. MOSKVA, PROFTZDAT, 1957.
78 P. ILLUS.

PLATONOV, Grigoriy Ivanovich, inzh.; YUDIN, Kapiton Vasil'yevich, inzh.;
KHOVSTOVA, D.M., red.; GOLICHENKOVA, A.A., tekhn.red.

[A factory of high engineering efficiency; commemorating the
twenty-fifth anniversary of the First State Bearing Factory]
Zavod vysokoi tekhniki; k dvadtsatipiatiletiiu 1-go Gosudar-
stvennogo podshipnikovogo zavoda. [Moskva] Izd-vo VTsSPS, 1957.
78 p.
(MIRA 11:1)

1. 1-yy Gosudarstvennyy podshipnikovyy zavod (for Platonov, Yudin).
(Moscow--Bearing industry)

PLATONOV, G.G.

Cytochemistry of glycogen in leucocytes of a rabbit with
radiation sickness. Radiobiologia 5 no.2:265-277 '65.

I. Klinika voyenno-morskoy i sormitad'nyy terapii Voyenno-
meditsinskoy akademii imeni Kirova, Leningrad.
(MIA 18:1.)

PLATONOV, G.G.

Unusual disorders of cardiac rhythm and conductivity in rheumatism.
Klin.med. 38 no.8:142-145 Ag '60. (MIRA 13:11)
(RHEUMATIC HEART DISEASE) (HEART BLOCK) (ARRHYTHMIA)

L 56554-65

ACCESSION NR: AF5010349

a peak after 6 hrs, drops to its lowest level on the 7th day, and increases a little by the 14th day. After 2-3 weeks the leukocyte glycogen level in many cases is higher than the initial level. Glycogen level changes in the pseudoeosinophils precede corresponding changes in their number. During the first hours following irradiation, the increased glycogen level and the appearance of intensely stained glycogen granules in the pseudoeosinophils are considered as manifestations of a nonspecific reaction to irradiation. Pseudoeosinophil leukocytes with a 2-3 segment nucleus were found to contain the highest amount of glycogen, and as segmentation of the nucleus increased the glycogen level of the protoplasm decreased. Thus, the nucleus is not only a morphological index, but also characterizes the state of leukocyte functional change. Orig. art. has: 2 figures.

ASSOCIATION: Klinika voyuno-morskoy i gospital'noy terapii Voyenno-meditsinskii akademii imeni S. M. Kirova, Leningrad (Clinic of Naval and Hospital Therapy of the Military Medical Academy, Leningrad)

ENCL: 00

SUB CODE: LS

SUBMITTED: 10Apr63

OTHER: 006

NR REF Sov: 011

Conf: 2/2/66

L 56554-65 EWU(j)/EWT(m)

ACCESSION NR: AP5010349

UR/0205/65/005/002/0265/0267 15

14

B

AUTHOR: Pistonov, G. G.

TITLE: Glycogen cytochemistry of rabbit leukocytes in radiation sickness

79

SOURCE: Radiobiologiya, v. 5, no. 2, 1965, 265-267

TOPIC TAGS: animal, rabbit, radiation sickness, single radiation dose, irradiation effect, glycogen, leukocyte, eosinophil, cytochemistry

ABSTRACT: Fifteen experimental rabbits weighing 2.2 kg were X-irradiated (RUM-3 unit, 180 kv, 20 ms, filters 0.1 mm Cu 1.0 mm Al, focal length 60 cm, 45.4 r/min) with single 700 r doses to determine leukocyte glycogen changes during radiation sickness. Glycogen was determined visually in the pseudoeosinophil leukocytes by intensity of stain using Shabadash's method. Blood specimens were taken from the animals' ear veins 2-3 times before irradiation, and following irradiation at periods of 1, 2, 5, 7 days and then weekly for 6 mos. Hematological analysis including leukocyte counts were also made. It was found that the glycogen levels of pseudoeosinophil leukocytes display phase changes at different periods following irradiation. The glycogen level decreases during the first hour, reaches

1/2
Card

PLATONOV, Grigoriy Fedorovich; TOLCHEVSKIY, V.I., red.

[Parameters and electrical modes of metallurgical furnaces]
Parametry i elektricheskie rezhimy metalloobrabotivayushchikh
elektrodnnykh pecher. Moscow, Energiya, 1965. 156 p. (Abo-
lioteka elektrotomnista, no.25) ((JKA 11:10))

PLATONOV, Grigoriy Fedorovich; VISHNYAKOVA, Ye.A., red.; YELAGIN,
A.S., tekhn.red.

[Over-all mechanization is the foundation of success] Kompleksnaia
mekhanizatsii - osnova uspekha. Moskva, Izd-vo "Sovetskaya Rossiia,"
1960. 75 p.
(MIRA 13:6)

1. Direktor plemenennogo sovkhoza "Proletariy" Vladimirsckoy oblasti
(for Platonov).

(Stock and stockbreeding)

PLATONOV, Grigoriy Fedorovich, kand.tekhn.nauk

Special features of an arc burning between graphite electrodes and conductive materials used in electrometallurgy. Izv. vys. ucheb. zav., elektromekh. 6 no.1:83-89 '63. (MIRA 16:5)

1. Zaveduyushchiy kafedroy elektrotehniki Ust'-Kamenogorskogo stroitel'no-dorozhnogo instituta.

(Electric furnaces)

MALKIN, I.M.; CHIRKOVA, N.P.; NEYMAN, V.G.; KARLINSKAYA, L.S.; GANCHENKO, V.M.; POKIDYSHEV, M.I.; CHERNYSHEV, Yu.P.; PLATONOV, G.P.; MIKHAYLOV, N.I.; ABDEYEV, M.A.; MILLER, O.G.; BUTENKO, N.S.; DYUYSEKIN, Ye.K.

Treatment of zinc-bearing slags in electric furnaces with coke conductivity. TSvet. met 33 no. 12:15-23 D '60. (MIRA 13:12)

1. Leninogorskiy polimetallichесkiy kombinat (for Malkin, Chirkova, Neyman, Karlinskaya, Ganchenko, Pokidyshev, Chernyshev). 2. Altayskiy gorno-metallurgichесkiy institut AN KazSSR (for Platonov, Mikhaylov, Abdeyev, Miller, Butenko, Dyuysekin).
(Zinc--Electrometallurgy) (Electric furnaces)

PLATONOV, G.F., kand.tekhn.nauk

Properties of electric furnaces with coke packing and a deep slag
layer. Vest.AN Kazakh.SSR 17 no.4:43-49 Ap '61. (MIRA 14:5)
(Electric furnaces)

SERGEYEV, P.V.; PLATONOV, G.F.

Interconnection of electric and geometric parameters of electrode furnaces and their industrial purpose. Trudy Alt. GMNII AN Kazakh-SSR 9:181-188 '60.
(MIRA 14:6)

1. Altayskiy gornometallurgicheskiy nauchno-issledovatel'skiy institut AN Kazakhskoy SSR,
(Electric furnaces)
(Lead--Electrometallurgy)

The effect of the ...

REF ID:
S/143/61/000/011/004/003
D2/3/B302

ASSOCIATION: Institut energetiki AN KazSSR (Institute of Power
Engineering AS Kazakhskaya SSR)

SUBMITTED: July 20, 1960

Card 3/3

X

The effect of the ...

32550
S/143/61/000/01/006/00
D223/D302

and observed on a car. The arc discharge was observed through optical filters in order to distinguish the plasma and the spots. The diameter of the spot and arc length were evaluated. The tests were made with the electrode made of graphite plates, pieces of coke of 80 mm diameter with polished surface, coke dust with grains up to 10 mm diameter melted ring and cast iron. In graphite the spot density was 800 - 1000 amp/cm², for temperatures above 1400 - 1500°C it was reduced to 150 - 250 amp/cm². This phenomenon is typical for all materials. In graphite plates the current density was 25 - 40% lower. The arc between graphite and coke dust was produced only after the coke had one heated spot. When the electrode was moved the arc terminated instantaneously at the heated spot and its current density was 10 - 30 amp/cm². The authors also studied the conditions of appearance of arcs between the electrode and molten ring or cast iron. It is stated that the experiments confirm qualitatively the dependence of current density in spots on specific resistance of the electrode material. There are 5 figures and 10 Soviet bibliographical references.

Card 2/3

32550

S/43/61/000/0 1/006/006
D223/D502

12300

AUTHOR: Platov, G. F., Candidate of Technical Sciences

TITLE: The effect of the resistivity of electrode materials
on current density in electrode spots of an arc

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Energетика
no. 11, 1961, 46-51

TEXT: The current density in electrically active electrode spots of the arc determine to a great extent the volume power and the thermal regime in the domain of arc discharge which is of importance for metallurgical electrical furnaces and welding installations. The data for spot current density depend on the electrode material and its resistivity. The lack of experimental data led the author to verify the dependence of the spot current density on different electrode materials under similar conditions. Tests were made in an electrical oven with one moving electrode; the second electrode consisted of the tested material placed in a crucible. The current (60 - 300 amp) and voltage (15 - 20 V) were measured.

Card 1/3

PLATONOV, G.F.; PANINA, M.I.

Certain regularities in changes of the electric resistance of
coke. Trudy Alt.GMNII AN Kazakh.SSR 11:76-81 '61. (MIRA 14:8)
(Coke--Electric properties)

S/196/62/000/010/029/035
E194/E155

AUTHORS: Platonov, G.F., and Ivliyev, N.K.
TITLE: Operating experience with induction equipment for
heating containers at the Leninogorskiy
Polimetallichесkiy Kombinat (Leninogorsk Polymetal
Combine)
PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,
no.10, 1962, 15, abstract 10 K80. (Metallurg. i
khim. prom-st' Kazakhstana. Nauchno-tehn. sb.
(Metallurgical and Chemical Industry of Kazakhstan.
Scientific-technical Symposium), no.4, 1961, 31-36).
TEXT: An induction method of heating steel containers for
the transport of concentrate was proposed at the Leninogorsk
Polymetal Combine. In 1960 Kazgiprotsvetmet designed a three-
section pilot plant of this kind. Each section of the equipment
consists of a concrete cone which houses the inductor winding.
Fire-resisting concrete and a number of guides of non-magnetic
steel are used to protect the inductor against mechanical damage.
The gap between the equipment walls and the container is 55 mm;
Card 1/2

PLATONOV, G.F., kand.tekhn.nauk

Effect of the specific resistance of the material of the electrodes
on the current density in the electrode spots of an arc. Izv. vys.
ucheb. zav.; energ. 4 no.11:46-51 '61. (MIR 14:12)

1. Institut energetiki AN KazSSR.
(Electrodes) (Electric furnaces) (Electric welding)

PLATONOV, G.F., kand.tekhn.nauk (Ust'-Kamenogorsk)

Some special features of the electric arc of a steel smelting
furnace. Elektrichestvo no.5:14-19 My '62. (MIRA 15:5)
(Electric furnaces)

PLATONOV, G.F., kand.tekhn.nauk

Resistance of an electric furnace with a deep slag tank. Prom.
energ. 17 no.5:43-45 My '62. (MIRA 15:5)
(Electric furnaces)

PLATONOV, G.F., kand.tekn.nauk

Certain special features of the burning of a closed electric arc
in an electric furnaces. Izv.vys.ucheb.zav.; energ. S no.4:54.
59 Ap '62. (MIA 15:5)

1. Ust-L-Kamenogorskiy stroitel'no-dorozhnyy institut. Predstavlena
kafedroy obshchey elektrotehniki.

(Electric furnaces)

PLATONOV, G.F., kand.tekhn.nauk

System of circular diagrams for a three-phase electric
furnace installation. Izv.vys.ucheb.zav.; energ. 2 no.12:
51-61 D '59. (MIRA 13:5)

1. Altayskiy Gorno-metallurgicheskiy nauchno-issledovatel'skiy
institut AN Kaz.SSR.
(Electric furnaces)

PLATONOV, G.F., kand.tekhn.nauk (Ust'-Kamenogorsk)

Electric current distribution in the tank of an electric ore-smelting
furnace. Elektrichestvo no.4:90-91 Ap '63. (MIRA 16:5)
(Electric furnaces)

Lazdik, V.S., kand.tekhn.nauk; P...GUV, G.v., kand.tekhn.nauk

Effect of geometrical dimensions on specific heat capacity of
on ore-smelting surfaces and air resistance to flows. Sov. viss.
ucheb. zav.; energ. 6 no.4:51-57 Ag 13. (....)

1. Vseso,uznyy nauchno-issledovatel'skiy gorno-metallurgicheskiy
institut tsvetnykh metallov i tsit'-kamennotskiiy strel'ch'no-dorozhnyy
institut. Prezavodstvo kadmiumo-elektrotelluriki ist' Kamenogorskogo
stroitel'no-dorozhno-go instituta.

(Ore-smelting; furnaces)

PLATONOV, G.F.

Effect of the specific resistance of the liquid products of smelting
on the performance of electric furnaces. Trudy Alt. GKhII Akad. Kazakhs.
SSR 14:134-140 '63. (MHA 16:9)
(Liquid metals--Electric properties)(Electrometallurgy)

PLATONOV, G.F., kand.tekhn.nauk

Nominal voltages and currents of arc reduction and arc melting furnaces. Prom. energ. 18 no.8;15-17 Ag. '63. (MIRA 16:9)
(Electric furnaces)

SIZOV, Yu.M.; PLATOV, G.P.; ABDYEV, M.A.; SEMYKIN, N.G.

Refining and use of cast iron obtained during the smelting of zinc
slags and sinter cake. Trudy Alt. GKEII Al' Kazakh. KSR 14:123-138
163.

(MIRA 16:9)

(Nonferrous metal industries--By-products)
(Cast iron--Metallurgy)

PLATONOV, G.P.; ABDEYEV, M.A.; BUTENKO, N.G.; SELIV, Yu.M.; VERNADSKAIA, V.V.;
MIKHAYLOV, P.I.; SIDOLIKO, T.A.; DUGALKIN, Ye.K.; PRIMOV, K.D.;
KUZHAKIMETOV, E.I.; GANICHENKO, V.M.; SHISUKIN, V.I.; CHIRKOVA, N.P.;
IL'INA, I.I.; BERDUS, Yu.M.

Two-stage method of treating slag and sinter cake in electric furnaces.
Trudy Alt. GMNII AN Kazakh. SSR 14:4-13 '63. (EKA 16:9)
(Nonferrous metals—Electrometallurgy)

PLATONOV, G.F., kand. tekhn. nauk (Ust'-Kamenogorsk); SERGEEV, P.V.,
kand. tekhn. nauk (Ust'-Kamenogorsk)

Design of electric ore-smelting furnaces. Elektrichestvo no.5:
88-90 My t63. (MIRA 16:7)

(Electric furnaces)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PLATONOV, G.F., kand. tekhn. nauk; SINYAV, G.M., inzh.

Operation of a large electric copper and nickel smelting furnace.
Prom. energ. 19 no.12:6-11 D 1941.

(MIA: 19:3)

4089-66

ACCESSION NR: AP5026227

O

SUBMITTED: 00

ENCL: 00

SUB CODE: NP, ES

NO REV SovI: 001

OTHER: 000

ATTD PRESS 4/27

BVR.
Card 3/3

L 4089-66

ACCESSION NR: AP5026227

clei with charge numbers of 2 or greater, and the external Cerenkov counter, which was part of the telescope, also recorded very heavy nuclei with charge numbers near 30. Nuclei with charge numbers not less than 2, 5, or 15 were recorded in separate channels by the internal Cerenkov counter. The counters were tested and calibrated in the laboratory with the aid of cosmic ray particles; the associated photomultipliers were calibrated with flashes from a SiC diode. Preliminary results are compared with analogous data recorded with the Second Soviet Cosmic Rocket, the Third Soviet Satellite Vehicle, and the Mars 1. A strong negative correlation is indicated between solar activity and the intensity of the nuclear component of the cosmic radiation. The intensity of the nuclear component nearly doubled between the flights of the Second Cosmic Rocket in 1959 and the Electron 2 in 1964. It is anticipated that when the data recorded with the Electron 2 are processed they will provide information concerning the dependence of the nuclear component on solar activity. A number of solar flares occurred in February and March during the flight of the Electron 2. Analysis of the data recorded during these flares is awaited with great interest. Orig. art. has: 1 formula, 6 figures, and 1 table [15]

ASSOCIATION: Laboratoriya kosmicheskikh luchey Fizicheskogo instituta im. P.N. Lebedeva Akademii nauk SSSR (Cosmic Ray Laboratory, Physics Institute, Academy of Sciences, SSR)

Card 2/3

L 4089-66 EWT(1)/FCC/EWA(h) GW

ACCESSION NR: AP5026227

UR/0048/65/029/010/1853/1858

AUTHOR: Kurnosova, L.V.; Logachev, V.I.; Platonov, O.F.; Razorenov, L.A.; Sinit-sina, V.G.; Suslov, A.A.; Fradkin, M.I.

TITLE: Investigation of low-energy charged particles with the Cosmos 12, ⁶⁹Cosmos 13, ^{68B}and Electron 2 satellites /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 10, 1965, 1853-1858

TOPIC TAGS: primary cosmic ray, heavy particle, artificial earth satellite, Cerenkov counter, scintillation counter, solar activity

ABSTRACT: Equipment carried by Electron 2 to measure the nuclear component of cosmic rays during the International Year of the Quiet Sun is described briefly and a few preliminary results are reported. The equipment consisted of a Cerenkov counter mounted within the satellite behind 1.5 g/cm² of matter and a telescope composed of a Cerenkov counter and a scintillation counter, mounted outside the satellite behind 0.6 g/cm² of aluminum. All the counters could record cosmic ray particles with energies exceeding 600 Mev/nucleon. The external telescope recorded nu-

Card 1/3

KURNOSOVA, L.V.; LOGACHEV, V.I.; PLATONOV, G.F.; RAZORENOV, L.A.; SINITSINA,
V.G.; SUSLOV, A.A.; FRADKIN, M.I.

Preliminary results of studying the nuclear component of cosmic
rays with the aid of the artificial satellite "Elektron-2."
Izv. AN SSSR. Ser. fiz. 29 no. 10:1853-1858 O '65.
(MIRA 18:10)

1. Laboratoriya kosmicheskikh luchey Fizicheskogo instituta im.
P.N. Lebedeva AN SSSR.

L 2991-66

ACCESSION NR: AT5023633

SUBMITTED: 02Sep65

NO REF SOV: 003

ENCL: 03

OTHER: 000

SUB CODE: AA, NP

ATD PRESS: 4109

Card 3/6

L 2991-66

ACCESSION NR: AT5023633

type, registering at the discrete levels of $Z \geq 2$, $Z \geq 5$, and $Z \geq 15$. All counters were shielded and were designed to register only particles with energies ≥ 600 Mev/nucl. Fig. 1 of the Enclosure gives the basic schematic of the external counter combination. The authors detail the method used to calibrate the photomultiplier outputs in terms of the Z-range of input excitation; for example, for the type FEU-35 external counter, the anode output characteristic corresponded to the range from $Z = 4$ to $Z = 21$, and the output of the 7th dynode, to the range $Z = 6$ to $Z = 28$. The calibration technique was to excite a SiC electroluminescent diode with a high-voltage, short-duration (4—30 nsec) thyratron pulse, providing the phototube with a light input similar to a counter input. Early results from these primary particle counters, obtained during the IQSY, have been a useful supplement to analogous satellite data from the 1959-1962 period, during which solar activity was undergoing the transition from maximum to minimum. Comparative results are seen in Fig. 2, which shows an almost twofold increase in nuclear particles recorded near the solar activity minimum. Table 1 compares data from one orbit of Elektron-2 to that of the 1959 and 1960 satellites and the 1962 Mars-1 probe. To date only data for the $Z \geq 15$ particles have been reduced enough for statistical analysis. A large increase in incidence of this size particle was noted during solar eruptions observed in the course of the Elektron-2 flight. Orig. art. has: 18 figures, 1 table, and 1 formula. [SH]

ASSOCIATION: none

Card 2/6

L 2991465 FSS-2/EWT(1)/FS(v)-3/FCC/EWA(d)/EWA(h) TT/GS/GN
ACCESSION NR: AT5023633 UR/0000/65/000/000/0514/0528

AUTHOR: Blokh, Ya. L.; Dorman, L. I.; Kurnosova, L. V.; Logachev, V. I.; Platonov, G. F.; Razorenkov, L. A.; Sinitina, V. G.; Suslov, A. A.; Fradkin, M. I.

76
B+1

TITLE: Some results of the study of cosmic ray nucleons by the Elektron-2 satellite

SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow, 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 514-528

TOPIC TAGS: satellite, radiation, cosmic ray, cosmic radiation, nuclear particle, nucleon/Elektron 2 satellite

ABSTRACT: Included in the instrumentation of the Elektron-2 satellite (launched, Jan 1964; apogee, 68,000 km) was a combination of internal and external counters designed to register nuclear components of primary cosmic radiation. The design and calibration of this apparatus is described, and some results of partially-reduced data are discussed. One counter mounted on the external surface of the satellite was a combination of the Cerenkov and scintillation types which responded to nucleons in the atomic number range of $2 \geq Z \geq 30$. The internal counter was a Cerenkov

Card 1/6

S/032/61/027/002/026/026
B124/B201

Exchange of...

50-60 v. For practical purposes, it is possible to use a series of welding transformers with impedance coils. The time needed for preparing and carrying out the melting process of each charge (100 g) of cast iron can be reduced by a) to one-ninth as compared to the use of a 10-kw cryptol furnace. [Abstracter's note: This is a full translation]. There is 1 figure.

ASSOCIATION: Gorno-metallurgicheskiy nauchno-issledovatel'skiy institut Akademii nauk KazSSR (Scientific Research Institute of Mining and Metallurgy of the Academy of Sciences KazSSR)

Card 2/2

S/032/61/027/002/026/026
B124/B201

AUTHORS: Platonov, G. F., Butenko, N. S.

TITLE: Exchange of experience

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 2, 1961, 236

TEXT: The authors suggest to use an indirect electric arc furnace for melting refractory materials. The furnace is heated by an arc produced between a graphite plate or graphite crucible and a mobile electrode. The furnace consists of a mobile electrode, a crucible, an immobile electrode, and conductive rods. Two procedures have been developed: a) Heat transfer to the molten material is effected by a graphite plate which is heated by an arc which is produced between this plate and the mobile electrode. When heating non-conductive and volatile substances, the plate is put on a special ring-shaped projection of the graphite crucible. A layer of coke lumps and powder prevents heat losses between electrode and crucible. b) The arc discharge takes place between the reinforced bottom of the crucible and the mobile electrode. Heat losses are reduced by insulating the crucible with foam fireclay. The furnace is fed with a voltage of

Card 1/2

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R001341200032-6

PLATONOV, G.F., kand.tekhn.nauk

Methods for determining the voltage range for ore electric
smelting and reducing furnaces. Vest. elektroprom. 31 no.5:⁴⁸⁻
52 My '60. (MIRA 13:8)
(Electric furnaces)